



REACT

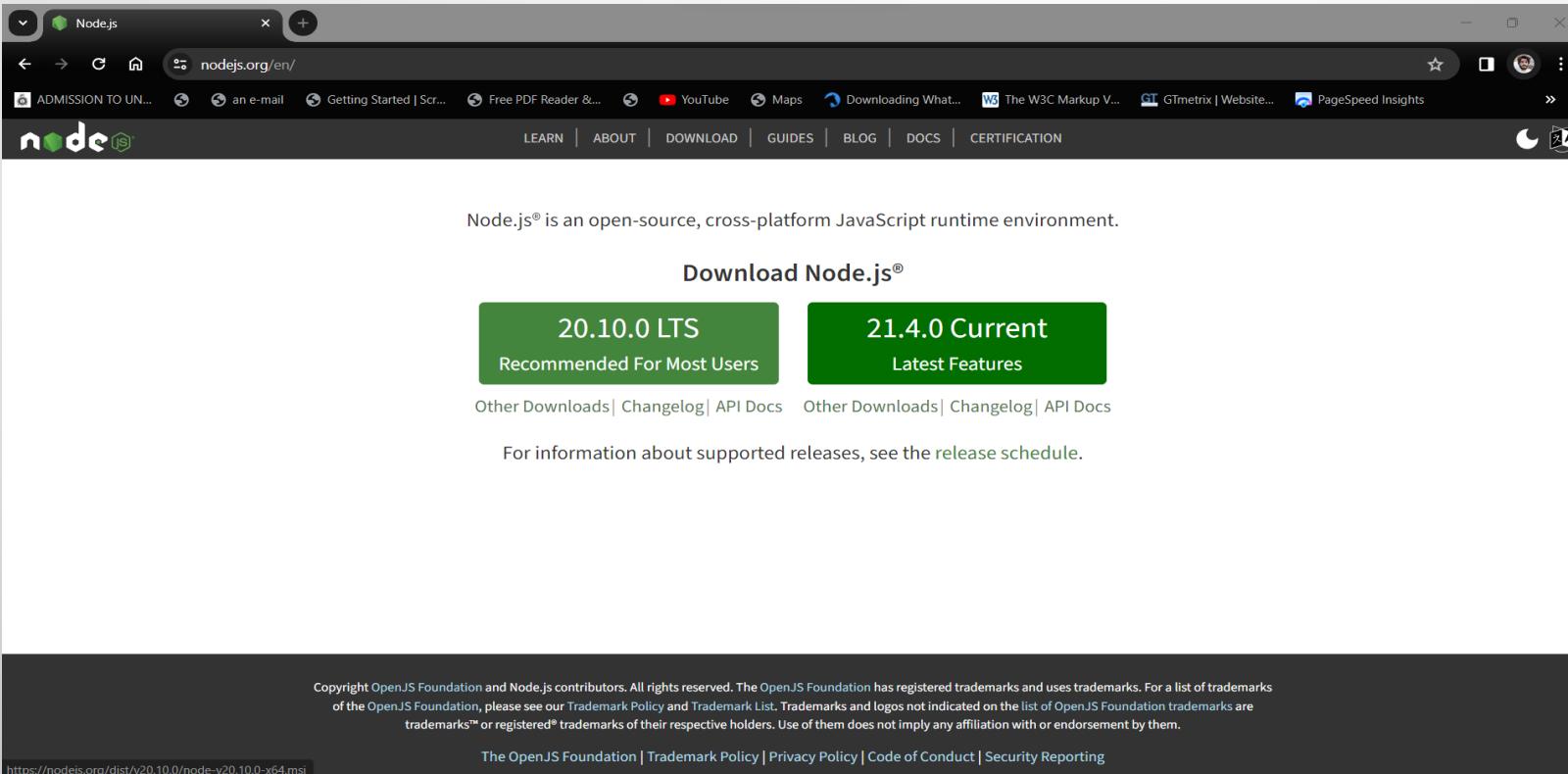
LESSON 2

CO2214 - PRACTICAL WORK ON CO2224

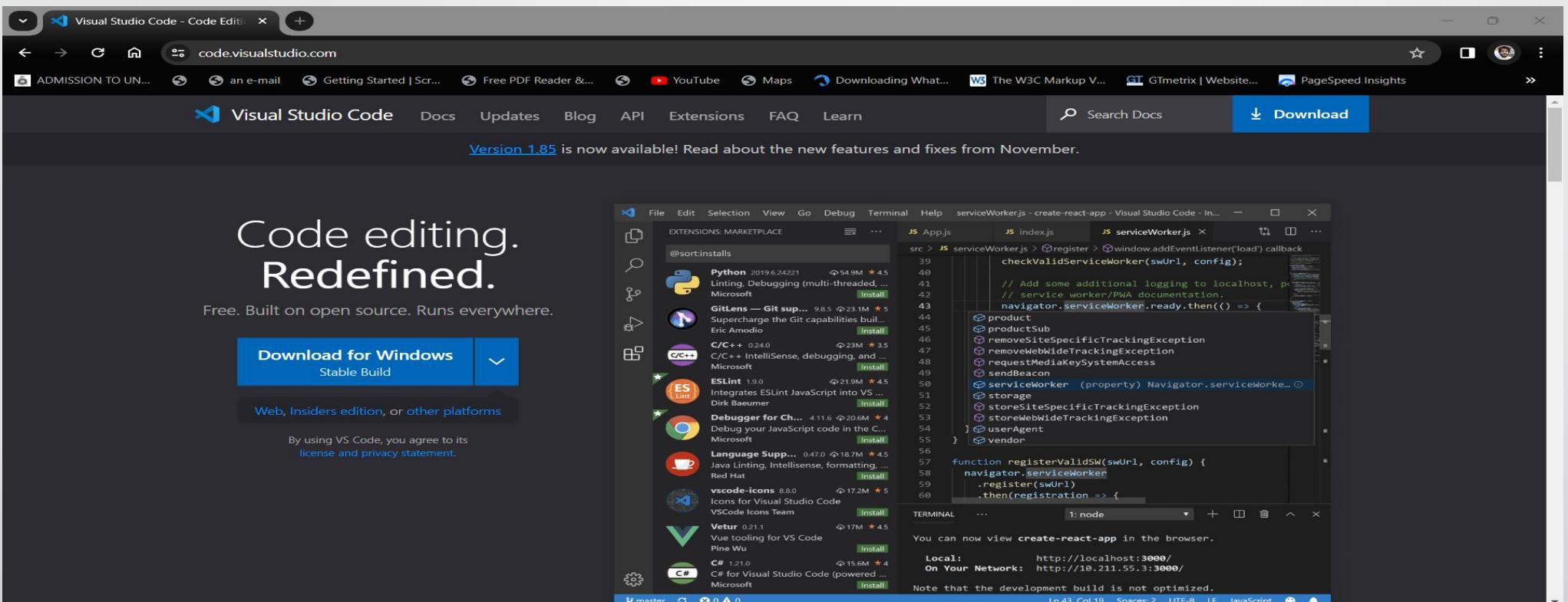
2020/2021

Two Things to Install

- Node - <https://nodejs.org/en/>



➤ Text Editor (By choice) - Visual Studio Code - <https://code.visualstudio.com>



Steps to Create First React app

- ✓ Create a folder called react and Open VScode inside that folder
- ✓ Go to integrated terminal and run command
 - `npx create-react-app <project_name>`
(if it is get error run below command and again run this command)
 - `npm install -g create-react-app`
- ✓ navigate inside the project folder using command
 - `cd <project_name>`
- ✓ now run the command
 - `npm start`
- ✓ now, Open the browser `localhost:3000`
- ✓ You can see the instruction `Edit src/App.js and save to reload.`

- ✓ Go back to VScode and expand hello-world folder expand src(resource) folder and edit app.js change the text to Hello World!

The screenshot shows the Visual Studio Code interface with a dark theme. The Explorer sidebar on the left lists files and folders for a 'hello-world' project, including 'node_modules', 'public', and a 'src' directory containing 'App.css', 'App.js', 'App.test.js', 'index.css', 'index.js', 'logo.svg', 'reportWebVitals.js', 'setupTests.js', '.gitignore', 'package-lock.json', 'package.json', and 'README.md'. The 'App.js' file is selected and open in the main editor area. The code in 'App.js' is as follows:

```
import logo from './logo.svg';
import './App.css';

function App() {
  return (
    <div className="App">
      <header className="App-header">
        <img src={logo} className="App-logo" alt="logo" />
        <p>
          Hello World!
        </p>
        <a
          className="App-link"
          href="https://reactjs.org"
          target="_blank"
          rel="noopener noreferrer"
        >
          Learn React
        </a>
      </header>
    </div>
  );
}

export default App;
```

The terminal at the bottom shows the output of a build process:

```
Compiled successfully!

You can now view hello-world in the browser.

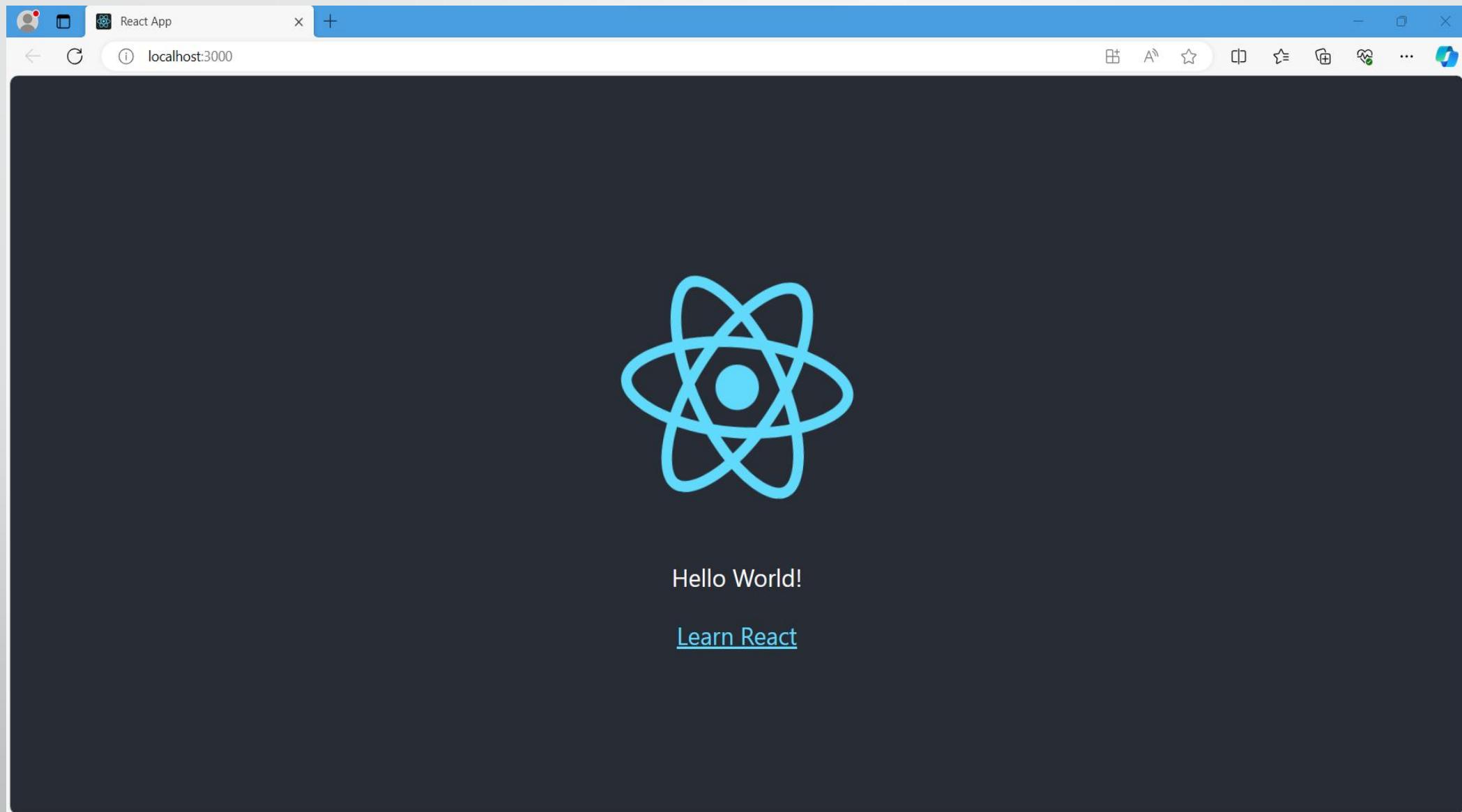
Local: http://localhost:3000
On Your Network: http://10.200.22.100:3000

Note that the development build is not optimized.
To create a production build, use npm run build.

webpack compiled successfully
```

At the bottom right, status bar details include: Ln 10, Col 23, Spaces: 2, UTF-8, LF, {}, JavaScript.

✓ Final Output.



Create-react-app packages

1) npx

- `npx create-react-app <project_name>`
- ✓ What exactly is npx?
 - npx is an npm package runner
 - It is definitely able to run the app without having to install it globally.

2) npm

- ✓ First step you have to install package globally by using command
 - `npm install -g create-react-app`
- ✓ After install you have to run command
 - `create-react-app <project_name>`